

ABSTRACT

09/576188

A color picture tube apparatus having a system for increasing an upper and lower pincushion distortion in the peripheral portion in the vertical direction by making the preliminary vertical deflection force when an electron beam is deflected toward the peripheral portion in the vertical direction of a phosphor screen relatively smaller than the preliminary vertical deflection force when an electron beam is deflected toward the middle portion in the vertical direction of the phosphor screen. With the color picture tube apparatus using an S-shaped distortion correction circuit, an upper and lower inner pincushion distortion can be optimized while correcting the upper and lower pincushion distortion.

"Express Mail" mailing label number EL544514983US
Date of Deposit MAY 23, 2000
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